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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,371	06/09/2006	Yasutaka Shigemoto	60303.59/ok	5752
54070 HITACHI MET	INER			
C/O KEATING & BENNETT, LLP			SHEEHAN, JOHN P	
1800 Alexander Bell Drive SUITE 200		ART UNIT	PAPER NUMBER	
Reston, VA 201	191	1793		
			NOTIFICATION DATE	DELIVERY MODE
			02/10/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

JKEATING@KBIPLAW.COM uspto@kbiplaw.com

	Application No.	Applicant(s)				
	10/596,371	SHIGEMOTO ET AL.				
Office Action Summary	Examiner	Art Unit				
	John P. Sheehan	1793				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be timil apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	J. lely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
	- action is non-final.					
<i>;</i> —	· -					
Disposition of Claims						
4)⊠ Claim(s) <u>1-19</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	n from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) <u>1-19</u> are subject to restriction and/or e	lection requirement					
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Application Papers						
9)☐ The specification is objected to by the Examiner	·.					
10)⊠ The drawing(s) filed on <u>09 June 2006</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
11)☐ The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents		-(d) or (f).				
Certified copies of the priority documents	have been received in Application	on No				
3. ☐ Copies of the certified copies of the prior	ity documents have been receive	d in this National Stage				
application from the International Bureau	(PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of	of the certified copies not receive	d.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da 5) Notice of Informal Pa					
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:	ποτι προιισαίου				

Application/Control Number: 10/596,371 Page 2

Art Unit: 1793

DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 1 to 7 and 13 to 15, drawn to a nanocomposite magnet having a specific composition including a hard magnetic phase and a soft magnetic phase wherein the soft magnetic phase includes an α -Fe phase and a crystalline phase with a Curie temperature of 610 0 C to 700 0 C as it main phase and a decision making method regarding the specific alloy composition and crystalline structure.

Group II, claims 8 to 12, drawn to a method of making a rapidly solidified alloy by quenching a specific alloy composition wherein the step of quenching includes adjusting a quenching rate within the range of 2.2×10^5 K/s to 2.8×10^5 K/s when the surface temperature of the alloy decreases from $900\,^{\circ}$ C to $700\,^{\circ}$ C.

Group III, claims 16 to 19, drawn to a nanocomposite magnet having a specific composition including a hard magnetic phase and a soft magnetic phase wherein the soft magnetic phase includes an α -Fe phase and an Fe₂B phase as it main phase.

2. The inventions listed as Groups I to III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

In the Group I invention the special technical feature is the soft magnetic phase includes an α -Fe phase and a crystalline phase with a Curie temperature of 610 $^{\circ}$ C to 700 $^{\circ}$ C as it main phase.

In the Group II invention the special technical feature is a method of making a rapidly solidified alloy by quenching a specific alloy composition wherein the step of quenching includes adjusting a quenching rate within the range of 2.2×10^5 K/s to 2.8×10^5 K/s when the surface temperature of the alloy decreases from 900 0 C to 700 0 C.

Application/Control Number: 10/596,371

Art Unit: 1793

In the Group II invention the special technical feature is a soft magnetic phase wherein the soft magnetic phase includes an α -Fe phase and an Fe₂B phase as its main phase.

Page 3

- 3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.
- 4. The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.
- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 6. The examiner has required restriction between product and process claims.

 Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder.

 All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

Application/Control Number: 10/596,371

Page 4

Art Unit: 1793

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John P. Sheehan whose telephone number is (571) 272-1249. The examiner can normally be reached on T-F (7:30-5:00) Second Monday Off.

Application/Control Number: 10/596,371 Page 5

Art Unit: 1793

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John P. Sheehan/ Primary Examiner, Art Unit 1793

JPS